

IN THE CLAIMS:

Claims 1-16 (canceled)

17. (New) A temperature regulating system for a vehicle, said temperature regulating system comprising:

an hydraulic arrangement (6) configured to provide components intended for rotation located in a gearbox (5) of a vehicle and in at least one axle of the vehicle with hydraulic oil from the same container (7); and

at least one space for housing at least one of the components being adapted for a dry sump.

18. (New) The temperature regulating system as recited in claim 17, wherein the hydraulic arrangement (6) further comprises means for spraying the hydraulic oil over the components and means for removing the oil from the space.

19. (New) The temperature regulating system as recited in claim 18, wherein the oil removal means is adapted to remove the oil continuously from the space during operation of the vehicle so that substantially no amount of oil is left present in an inactive state in the space.

20. (New) The temperature regulating system as recited in claim 17, wherein the hydraulic arrangement (6) further comprises a first pump (8) for pumping oil from the container (7) to the gearbox (5) and to the vehicle axle.

21. (New) The temperature regulating system as recited in claim 20, wherein each second pump (17, 18, 20) has a pump capacity of at least the same as the first pump (8) for supplying oil connected to the gearbox and to the axle.

22. (New) The temperature regulating system as recited in claim 17, wherein the hydraulic arrangement (6) further comprises at least two second pumps (17, 18, 20) including one (20) configured for suction of oil from the gearbox (5) and another (17, 18) for suction of oil from the vehicle axle.

23. (New) The temperature regulating system as recited in claim 17, wherein the container (7) is located apart from the space in which the rotating components forming part of the axle are arranged.

24. (New) The temperature regulating system as recited in claim 17, wherein the container (7) is located apart from the space in which the rotating components forming part of the gearbox (5) are arranged.

25. (New) The temperature regulating system as recited in claim 17, wherein the components intended for rotation located in the axles of the vehicle comprise on the one hand disks in a wet brake (35, 36) and on the other hand gear wheels in a gear (14, 15).

26. (New) The temperature regulating system as recited in claim 17, further comprising:
an arrangement (22) for regulating the temperature of the oil in the hydraulic arrangement (6) via a heat exchanger unit (21).

27. (New) The temperature regulating system as recited in claim 26, further comprising:
a sensor (28) for sensing the temperature of the oil and a control unit (29) connected to the sensor; and
the temperature regulating arrangement being further adapted to cool or heat the oil depending sensed oil temperature.

28. (New) The temperature regulating system as recited in claim 26, wherein the temperature regulating arrangement (22) is further adapted to cool the engine (4) of the vehicle.

29. (New) The temperature regulating system as recited in claim 28, further comprising:

a sensor (31) connected to the control unit (29) for sensing the temperature of the coolant of the engine.

30. (New) A method for providing a temperature controlled, common hydraulic supply arrangement on a vehicle for a plurality of hydraulic utilizing sub-systems, said method comprising:

utilizing a common hydraulic fluid reservoir located on a vehicle to supply hydraulic fluid to a plurality of hydraulic fluid utilizing vehicular sub-systems, at least one of said sub-systems incorporating a sump pump for returning utilized hydraulic fluid to the common hydraulic fluid reservoir;

operating said sump pump on a substantially continuous basis at least while hydraulic fluid is being delivered to said sump pump incorporating sub-system thereby minimizing required space to house that sub-system on the vehicle by enabling the substantial elimination of an utilized hydraulic fluid collection reservoir at that sub-system;

maintaining hydraulic fluid reservoired in said common hydraulic fluid reservoir within an operating temperature range compatible with each of the supplied sub-systems thereby minimizing utilization of supplied hydraulic fluid outside the operating temperature range by any of said supplied sub-systems; and

providing a temperature control arrangement in fluid communication with said common hydraulic fluid reservoir and utilizing said temperature control arrangement to maintain the reservoired hydraulic fluid in the operating temperature range.

31. (New) The method as recited in claim 30, further comprising:

configuring said plurality of hydraulic fluid utilizing vehicular sub-systems to include a gearbox sub-system and an axle sub-system of the vehicle.

32. (New) The method as recited in claim 30, further comprising:

configuring said plurality of hydraulic fluid utilizing vehicular sub-systems to consist exclusively of a gearbox sub-system and an axle sub-system of the vehicle.

33. (New) The method as recited in claim 30, further comprising:

configuring said temperature control arrangement to extract heat from an operating one of said plurality of hydraulic fluid utilizing vehicular sub-systems thereby pre-heating the hydraulic fluid supply with respect to non-operating sub-systems.

34. (New) A vehicle with a temperature regulating system comprising:

a transport machine;

an hydraulic arrangement (6) configured to provide components intended for rotation located in a gearbox (5) of the transport machine and in at least one axle of the transport machine with hydraulic oil from the same container (7); and

at least one space for housing at least one of the components being adapted for a dry sump.

35. (New) A vehicle with a temperature regulating system comprising:

a construction machine; and

an hydraulic arrangement (6) configured to provide components intended for rotation located in a gearbox (5) of the construction machine and in at least one axle of the construction machine with hydraulic oil from the same container (7); and

at least one space for housing at least one of the components being adapted for a dry sump.